

# MANAGING SAFETY ASSETS ON A UNIVERSITY CAMPUS

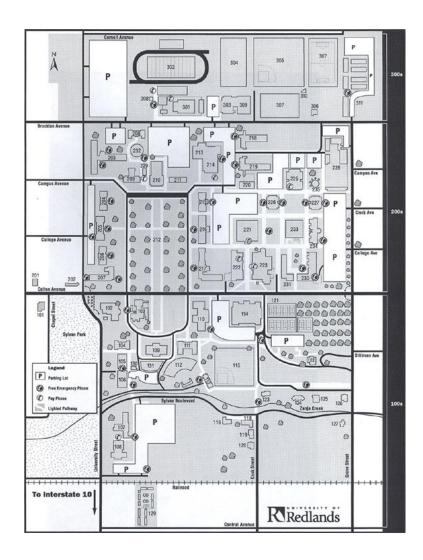
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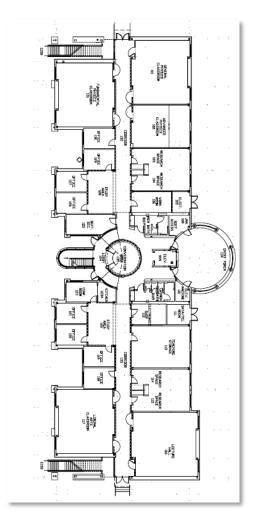
#### Partner

- University of Redlands Facilities Department
- Founded in 1906
- Provide maintenance and repair to 60 buildings



## Campus Maps



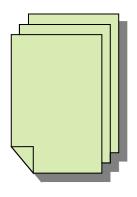


Floor plan

#### Problem Statement

- Data exists in multiple formats
- Keeping data current
- Risk of loosing documentation









# Data Types



Safety Assets



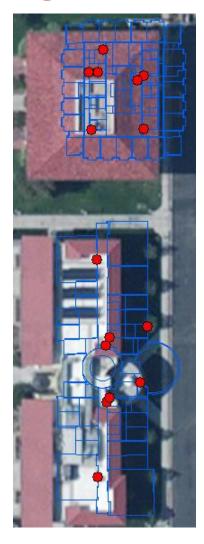


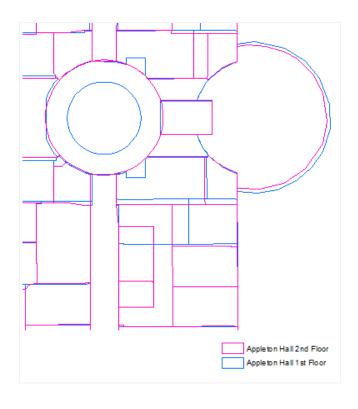
Floors



Rooms Buildings

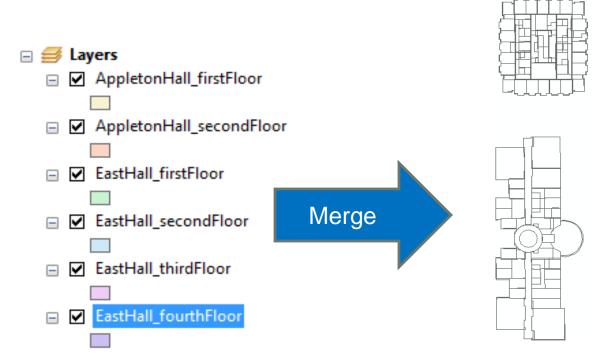
# Original Data





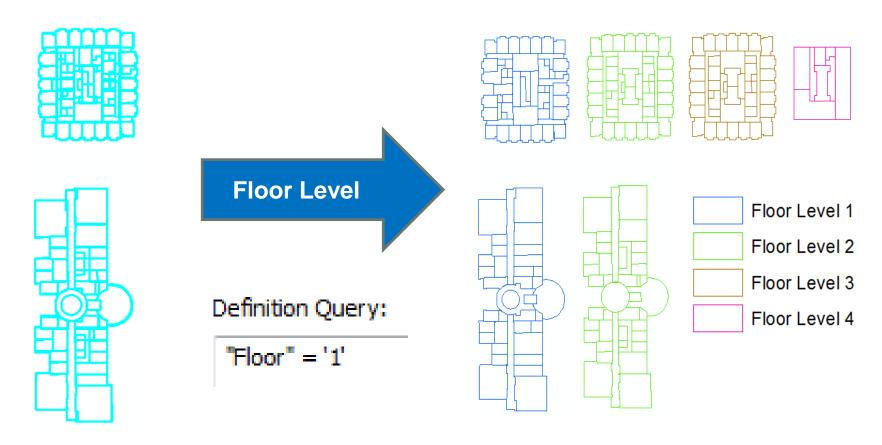
### Data Scrubbing

- Organizing Data
- Data Input
- Merge
- Feature Classes
  - 2 Types



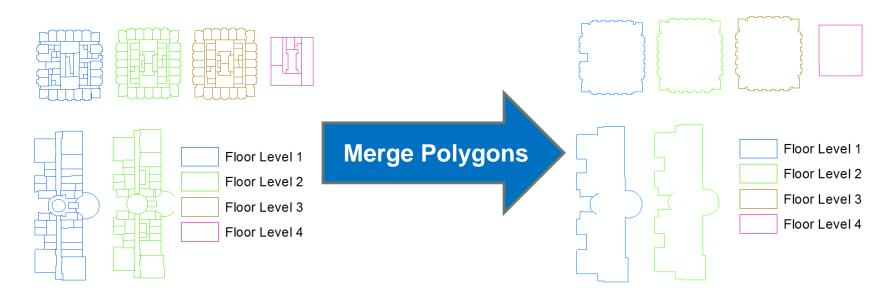
DataMerge

## Floor Definition Query



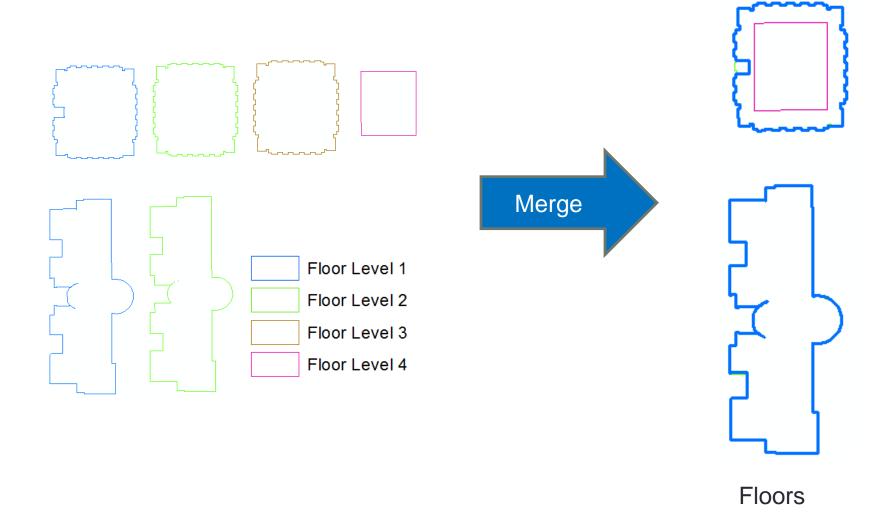
DataMerge

# Merge Polygons

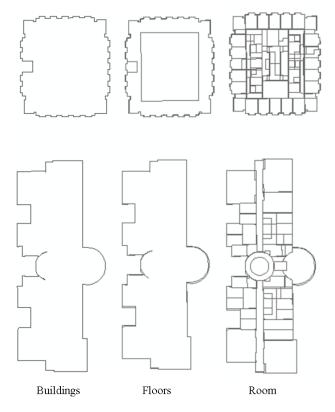


Floor Level Feature Classes

# Final Geoprocessing



### Final Feature Classes



1 Polygon ZM 25366 Appleton Hall 234
2 Polygon ZM 34761 East Hall 227

I	BLDG_Name	BLDG_Code *	Floor *	FloorID *
Ī	East Hall	227	1	EAS_1
ĺ	Appleton Hall	234	1	APL_1
Ì	East Hall	227	2	EAS_2
I	Appleton Hall	234	2	APL_2
Ī	East Hall	227	3	EAS_3
Ì	East Hall	227	4	EAS_4

	FloorID *	Rm_ID *	Rm_No *	RmType	Room Descripton	Notes
٠	APL_1	APL_101	101	Classroom	<null></null>	
	APL_1	APL_102	102	Classroom	<null></null>	
	APL_1	APL_103	103	Lab	Reasearch Space	
	APL_1	APL_104	104	Lab	Reasearch Space	
	APL_1	APL_105	105	Utility	Electrical	
	APL_1	APL_106	106	Lab	Instructional Lab	
	APL_1	APL_108	108	Roof Access	<null></null>	
	API 1	API 107	107	Bathroom	Women	

### Geodatabase

Buildings	
PK	Bldg Code
	Bldg_Name LOC_Area FSPRN Year Built Sq Footage Notes

Floor Level	
PK	<u>FloorID</u>
	Bldg_Name Bldg_Code Floor Descr Floor Span Notes SqFootage

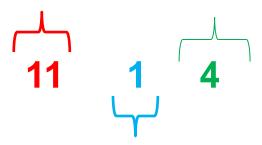
	Room
PK	Rm ID
	FloorID Rm_No Rm_Type RmDec

	Safety Assets
PK	Rm No
	RmID Floor LOC_Area CreatedBy CreatedOn ModifiedBy ModifiedOn EqType EqID Condition InspectedBy InspectedOn InspectedOn

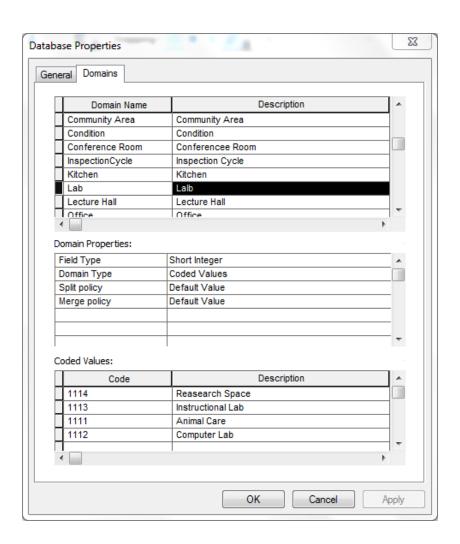
# Cleaning My Room

#### **Coding Standard**

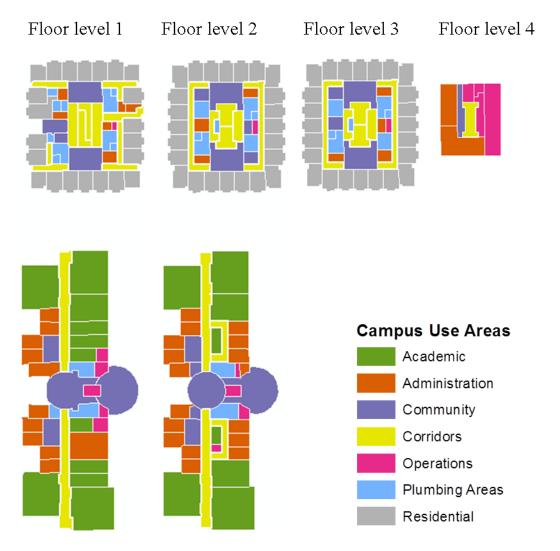
**Campus use** Room description



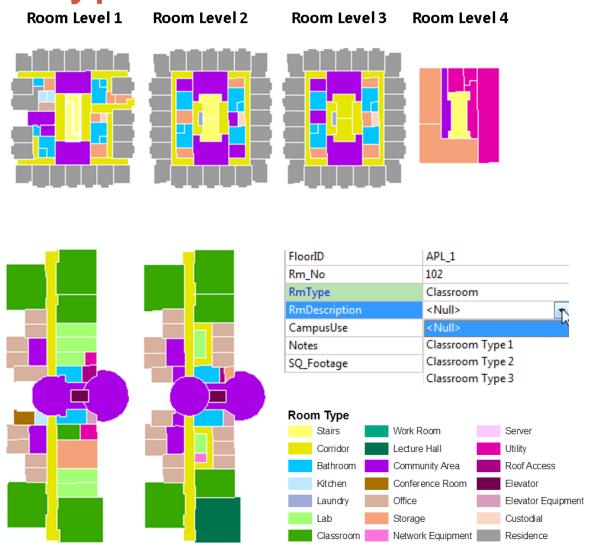
Room type



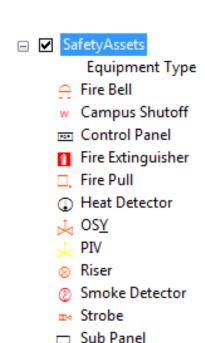
# Campus Use

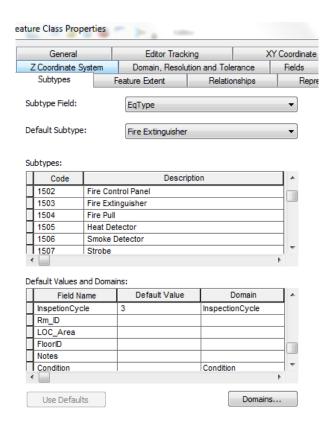


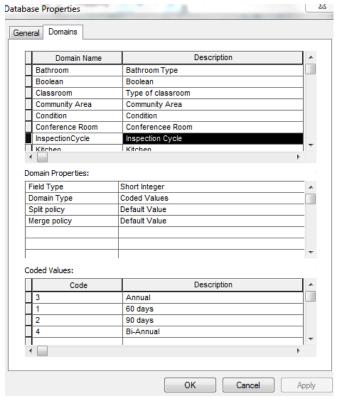
# Room Types



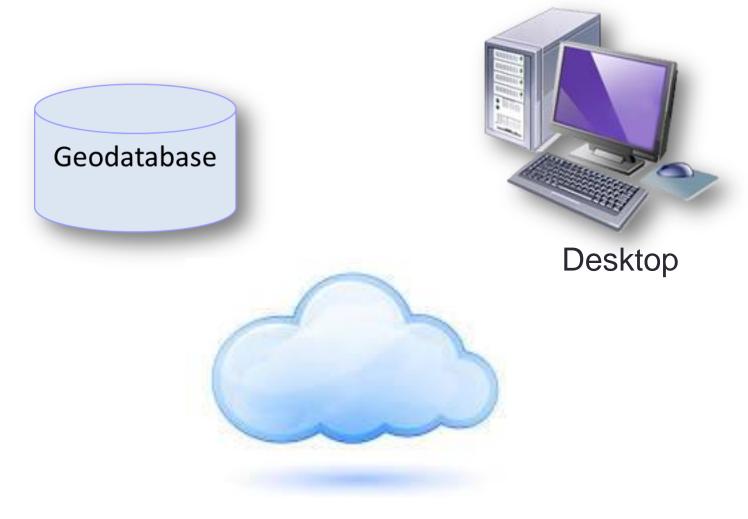
### Safety Assets



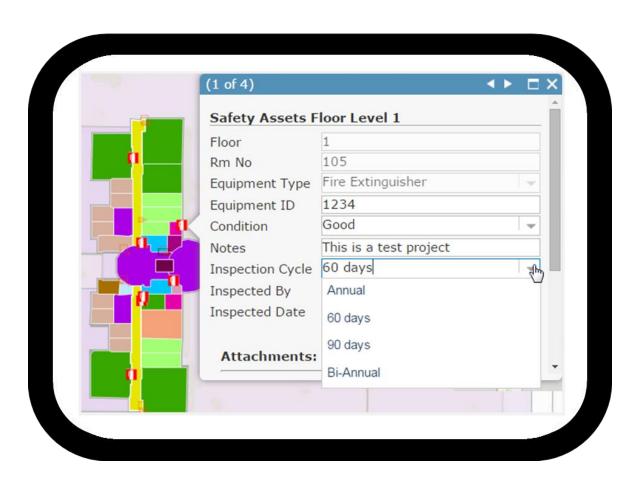




# Data is Organized



#### Publish as Feature Service



## Summary

- Data is available in a single location
- Identify where equipment is located
- Improve safety planning

#### Questions

#### Thank You

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